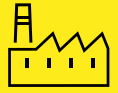




Hidrotema

Industrial



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## ICONS LEGEND



Connection Under Pressure:  
Allowed Male Half up to W.P.



Connection Under Pressure:  
Allowed Both Halves



Connection Under Pressure:  
Allowed Residual



Connection and disconnection  
under residual pressure both halves



Disconnection Under Pressure:  
Allowed Male Half up to W.P.



Connection Under Pressure:  
Not Allowed

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# Sleeve Retraction / ISO 7241 - B



## HNV



Male and Female couplings for industrial applications with poppet valve shut-off system. Complete range of sizes available with BSP, NPT and SAE Female threads. Interchangeable according to ISO 7241 Part B.

Available sizes: 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/2", 2".

### Accessories and spares



TMH ... / TFH



TMH ... S / TFH ... S



Seal kits

## HNV brass



Male and Female couplings for industrial applications with poppet valve shut-off system. Brass version available with NBR or Viton seals. Interchangeable according to ISO 7241 Part B.

Available sizes: 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/2".

### Accessories and spares



TMH ... / TFH



TMH ... S / TFH ... S



Seal kits

## HNV stainless steel



Male and Female couplings for industrial applications with poppet valve shut-off system. Stainless Steel version (AISI 316) with Viton seals. Interchangeable according to ISO 7241 Part B.

Available sizes: 1/4", 3/8", 1/2", 3/4", 1", 1-1/2", 2".

### Accessories and spares



TMH ... / TFH



TMH ... S / TFH ... S



Seal kits

# Flat Face / ISO 16028



## FFH



Flat Face Male and Female couplings for industrial applications. Steel version (Mate 1000) with seals in NBR. Interchangeable according to ISO 16028. Available sizes: 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/2".

### Accessories and spares



TAF ...



TMF 38 .../TFF 38 ...



TM 2FI .../TF 2FI ...



TM2FI...S/TMFFH...S  
TF2FL...S/TFFFH...S

## 2FFI brass



Flat Face Male and Female couplings for industrial applications. Brass version with seals in Viton. Interchangeable according to ISO 16028. Available in size 1/2".

### Accessories and spares



TM 2FI .../TF 2FI ...



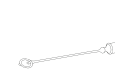
TM2FI...S/TF 2FL...S

## 2FFI stainless steel



Flat Face Male and Female couplings for industrial applications. Stainless Steel version (AISI 316) with Viton seals. Available sizes: 1/4", 3/8", 1/2", 3/4", 1".

### Accessories and spares



TFF 38 ...



TM 2FI .../TF 2FI ...



TM 2FI...S/TF 2FL...S



# Screw to Connect /Faster Interchange



## FHV HD



Screw-on flat face couplings, equipped with a double Bearing Ball system and greasing nipple. The Zinc-Nickel plating guarantees a remarkable resistance to corrosion. Connectable by hand up to 35 MPa residual pressure in the male half. No hose torsion during connection and disconnection thanks to the internal bearing system. Equipped with a safety sleeve to prevent accidental disconnections due to vibrations. Available sizes: 1", 1-1/4", 1-1/2".

### Accessories and spares



TM-TF FHV ...



TM FHV ...S/  
TF FHV ...S



Seal kits

## VV



Screw to connect standard couplings, double function sleeve. VV series couplings are very robust and reliable and allow to connect under residual pressure. Thanks to a double function sleeve it's also possible to connect a female part with either VV or NV male halves. Faster proprietary profile. Available sizes: 1/4", 3/8", 1/2", 3/4", 1".

### Accessories and spares



TMV 38 / TFV 38



TMVM ... / TFVM ...



TMV ... SS/  
TFV ... SS

Seal kits

## VVS



Screw to connect couplings for high pressure applications. Couplings commonly used for applications characterized by very high working pressures and peaks. Heavy duty internal components guarantee the maximum safety and reliability. Faster proprietary profile. Interchangeable with Faster VV series. Available sizes: 1/4", 3/8", 1/2", 3/4", 1-1/4", 1-1/2", 2" .

### Accessories and spares



TMVM ... / TFVM ...



TMV ... SS/  
TFV ... SS



Seal kits

# High Pressure



## PVVM



Screw to Connect Male and Female couplings, suitable for High Pressure applications. Equipped with a robust metal-to-metal sealing poppet valve. Maximum Working Pressure: 100 MPa. Connection under pressure: allowed residual in one of the two halves. Interchangeable according to ISO 14540. Available sizes: 1/4", 3/8".

### Accessories and spares



TMP .../TFP ...



Seal kits

## PVSM



Screw to Connect Male and Female couplings, suitable for High Pressure applications. Equipped with a metal-to-metal sealing ball valve. Maximum Working Pressure: 72 MPa. Connection under pressure: allowed residual in one of the two halves. Interchangeable according to ISO 14540. Available in size 3/8".

### Accessories and spares



TMP .../TFP ...



Seal kits

## FFHP



Flat Face Male and Female couplings, suitable for High Pressure applications. Flat valve shut-off system prevents contamination and spillage. Zinc-Nickel plating ensures good resistance to wear and corrosion. Maximum Working Pressure: 72 MPa. Available sizes: 1/4", 3/8".

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# Oil & Gas / Snap Tite



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## OGV



Standard screw-to-connect coupling suitable for Oil & Gas applications. Robust sleeve design, poppet valve and ACME connection thread.

Connection under pressure: allowed residual in one of the two halves.

Available sizes: 1-1/2", 2"

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### Accessories and spares



TM OGV ... S/  
TF OGV ... S

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## OGF

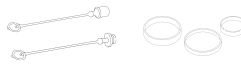


Male and Female couplings, suitable for Oil & Gas applications. Poppet valve designed to help flow and allow connection with TNL parts (free flow) same series. Interchangeable with Faster TNL couplings.

Available sizes: 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"

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### Accessories and spares



TMH .../TFH ...

Seal kits

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## TNV



Flat Face Male and Female couplings suitable for Oil & Gas applications.

The Flat Face design guarantees very low spillage and prevents external contamination.

Equipped with locking ball to prevent accidental disconnection.

Interchangeable with Snap-tite 71 series.

Available in sizes: 1/4", 3/8", 1/2", 3/4", 1"

# BOP



## HNV FR



Male and Female couplings with poppet valve shut-off system, Lloyd's certified, suitable for Oil & Gas applications. Thanks to special components and seals, HNVFR couplings are API 16 D certified and suitable for BOP application. Interchangeable according to ISO 7241 Part B.  
Available sizes: 1/2", 3/4", 1"

### Accessories and spares



TMH ... / TFH

## FHV FR



Screw-to-Connect Flat Face couplings, Lloyd's certified, suitable for Oil & Gas applications. Equipped with a safety sleeve to help preventing accidental disconnections due to vibrations. Zinc-Nickel plating. Thanks to special components and seals, FHVFR couplings are API 16 D certified and suitable for BOP application. Connectable with residual pressure in the Male half up to 35 MPa. Faster proprietary profile.  
Available sizes: 3/4", 1"

### Accessories and spares



TM-TF FHV ...

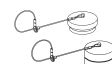
TM FHV ... S/  
TF FHV ... S

## OGV FR



Screw to Connect Male and Female couplings, Lloyd's certified, suitable for Oil & Gas applications. Robust sleeve design, poppet valve and ACME connection thread. Thanks to special components and seals, OGVFR couplings are API 16 D certified and suitable for BOP application. Connection under pressure: allowed residual in one of the two halves.  
Available sizes: 3/4", 1", 1-1/4"

### Accessories and spares



TM OGV ... S/  
TF OGV ... S



# Refrigeration



## RF



Screw to connect couplings for air conditioning & refrigeration application. Interchangeability according to market driven standards. Available in several versions in steel, brass and with copper sweat braze adaptor

Available in sizes: 1/4", 3/8", 1/2", 3/4", 1".

### Accessories and spares



TMRF .../TFRF ...

## RFL



Screw to connect female couplings for air conditioning & refrigeration application, low friction sleeve.

The female couplings are equipped with a low friction sleeve in order to reduce connection effort and friction. Fully interchangeable with RF series same size.

Available in sizes: 1/4", 3/8", 1/2", 3/4", 1".

### Accessories and spares



TMRF .../TFRF ...

## RFLS - RFS



RFLS screw-to-connect female couplings are equipped with a low friction sleeve to reduce connection effort together with an integrated safety sleeve to prevent accidental disconnections. Corresponding male couplings RFS series are characterized by Faster profile interchangeability. Available in sizes: 1/4", 3/8", 1/2", 3/4".

### Accessories and spares



TMRFLS ... /  
TFRFLS ...

# Check Valves & Diagnostic

## VU



Standard unidirectional check valves, acting as a safety device into hydraulic systems. Standard versions contain a spring set to open the valve at 35 kPa; Normally available with inlet and outlet Female threads. Wide range of calibrations available, from 10 to 950 kPa.

Available sizes: 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2".

## VUC



Compact check valves, acting as a safety device into hydraulic systems. Very compact design, assembled with only one piece body. Standard cracking pressure 35 kPa.

Available sizes: 1/4", 3/8", 1/2", 3/4", 1".

## DF



Diagnostic Flat Face Male and Female couplings, specifically designed to measure the internal pressure of hydraulic circuits. Male part to be mounted on the hydraulic line, Female part to be connected to gauge instruments.

Interchangeable according to ISO 15171-1.

Available in size 1/4".

### Accessories and spares



TDFD 04

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# Special Solutions

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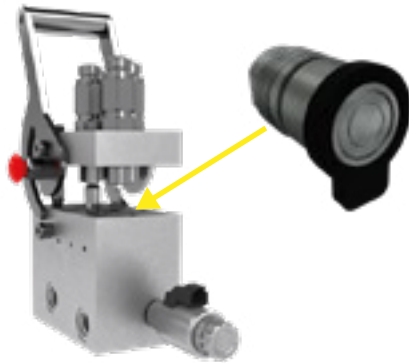
## FFC



Flat Face Male and Female cartridge couplings in Stainless Steel (AISI 316) with Viton seals. Self-aligning couplings for MultiFaster. Misalignments up to  $\pm 0.5$  mm and  $\pm 1^\circ$  (angular) are automatically compensated during the connection. Faster proprietary profile.  
Available sizes: 1/4", 3/8", 1/2".

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## FFHB



Integrated flat face cartridge, suitable for hydraulic multiconnections and manifolds. Thanks to its special sleeve button it is possible to connect the cartridge with dedicated plate counterpart or with single couplers. The cartridge allows frontal assembly with a dedicated tool. Conforms to ISO 16028 interchange standard.  
Available sizes: 3/8", 1/2", 3/4".

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### Accessories and spares



FFHB ... TOOL

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# Automatic Multiconnection

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## Steel Industry



Multiconnection suitable for steel industry application (Rolling), with automatic alignment system. Rolling is a metal forming process in which metal stock is passed through one or more pairs of rolls to reduce thickness, or to make thickness uniform. The group of rolls is enclosed in a cage. This Multiconnection can be customized with the addition of electrical connectors.

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## Thermoforming Industry



Multiconnection suitable for thermoforming industry application, with automatic alignment system. Thermoforming is a manufacturing process where a plastic sheet is heated to a pliable forming temperature, formed to a specific shape in a mold, and finally trimmed to create a usable product. This technology is typically employed, other than in the automotive, sanitary and industrial sectors, in the manufacturing of refrigerators. This Multiconnection can be customized with the addition of electrical connectors.

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## Automotive Engine Test



Multiconnection suitable for End-of-line engine testing. The automatic connection of multiple lines (hydraulic, pneumatic, electrical) allows quick and reliable fill of external media needed to run the test, contributing to a massive reduction of the setup time for the whole process.

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# MultiFaster for Industrial Applications

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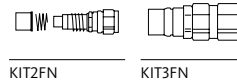
## M001



MultiFaster 2 lines size 06. Working Pressure 25 MPa. This special MultiFaster is designed for CNC machines applications. CNC machines are highly automated manufacturing tools controlled by a computer. Thanks to this MultiFaster it's possible to pressurize all the hydraulic cylinders which block the pieces with one single maneuver, reducing the overall cycle time.

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### Accessories and spares



KIT2FN

KIT3FN

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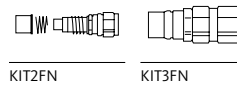
## P10A



MultiFaster 10 lines. 5 lines size 08, 5 lines size 04. Working Pressure 25 MPa. Flow rate @ 0.2 MPa: 5 lines 70 l/min, 5 lines 20 l/min.

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### Accessories and spares



KIT2FN

KIT3FN

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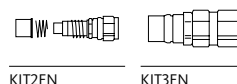
## P12A



MultiFaster 12lines. 10 lines size 08, 2 lines size 04. Working Pressure 25 MPa. Flow rate @ 0.2 MPa: 10 lines 70 l/min, 2 lines 20 l/min.

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### Accessories and spares



KIT2FN

KIT3FN



# MultiFaster for High Pressure

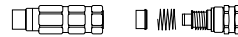


## PH216S



MultiFaster for High Pressure applications.  
2 lines size 16. Working Pressure: 46 MPa.  
Flow rate @ 0.2 MPa: 60 l/min.

### Accessories and spares



KITFHB

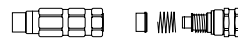
KIT3FHP

## PH408S



MultiFaster for High Pressure applications.  
4 lines size 08. Working Pressure: 46 MPa.  
Flow rate @ 0.2 MPa: 60 l/min.

### Accessories and spares



KITFHB

KIT3FHP

## PH510S



MultiFaster 4 lines for High Pressure applications. 2  
lines size 08, 2 lines size 12. Working Pressure: 46 MPa.  
Flow rate @ 0.2 MPa: 2 lines 60 l/min, 2 lines 105 l/min.

### Accessories and spares



KITFHB

KIT3FHP